



Tecumseh

Performance Data Sheet

AED1413ZFZ

General Information

Model	AED1413ZFZ	Refrigerant	R-404A
Test Condition	Tecumseh Europe	Performance Test Voltage	230V ~ 50HZ
Return Gas	32.2°C (90°F) RETURN GAS	Motor Type	RSIR

Performance Information

Evap Temp (°C)	Condensing Temperature (°C)				
		30	40	50	60
-40	Watts (Capacity)	162	136	84.7	22.3
	Watts (Power)	256	200	146	91.9
	Amps	2.49	2.34	2.17	2.01
-35	Watts (Capacity)	282	248	191	124
	Watts (Power)	316	275	235	196
	Amps	2.49	2.42	2.32	2.23
-30	Watts (Capacity)	414	374	310	240
	Watts (Power)	366	339	315	291
	Amps	2.52	2.51	2.48	2.45
-25	Watts (Capacity)	560	512	444	370
	Watts (Power)	405	395	385	376
	Amps	2.58	2.62	2.64	2.67
-23.3	Watts (Capacity)	613	562	492	417
	Watts (Power)	417	411	407	403
	Amps	2.61	2.67	2.70	2.74
-20	Watts (Capacity)	720	664	590	513
	Watts (Power)	435	440	446	452
	Amps	2.66	2.75	2.81	2.88
-15	Watts (Capacity)	892	830	751	671
	Watts (Power)	456	476	497	519
	Amps	2.77	2.89	2.99	3.09
-10	Watts (Capacity)	1080	1010	925	842
	Watts (Power)	466	502	539	577
	Amps	2.89	3.05	3.17	3.30

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.517190E+03	2.777415E+02	2.259099E+00	
C2	4.976241E+01	-1.267627E+01	3.420470E-02	
C3	7.520531E+00	5.016540E+00	4.815065E-02	
C4	2.509867E-01	-2.081933E-01	1.034665E-03	
C5	-2.605710E-01	3.278080E-01	1.582950E-04	
C6	-3.595721E-01	3.977550E-02	-6.602930E-04	
C7	0.000000E+00	0.000000E+00	0.000000E+00	
C8	4.058610E-04	3.554070E-04	-1.818820E-05	
C9	1.930000E-03	-5.020000E-05	-1.010000E-06	
C10	2.550000E-03	-2.710000E-04	4.320000E-06	

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature